Title (en)

Method for applying a layer of material inside a cycle tyre

Title (de)

Verfahren zum Anbringen einer Materialschicht in einem Fahrradreifen

Title (fr)

Procédé d'application d'une couche de matériau à l'intérieur d'un pneumatique pour cycle

Publication

**EP 2162276 B1 20120222 (FR)**

Application

**EP 08774153 A 20080619**

Priority

• EP 2008057798 W 20080619
• FR 0704639 A 20070628

Abstract (en)

[origin: US7959849B2] Method of applying a layer of material (25, 26) to the inner wall of a cycle tyre (20) in the form of a torus, with an inner wall (28) and an outer wall (29) and having a crown (22) extended by two sidewalls (21), two beads (23a, 23b) and two bead wires (30a, 30b) placed in said beads, said tyre having a given nominal inflation pressure, which comprises the following steps: the tyre (20) is turned inside-out so as to bring the inner wall (28) to the outside of the torus and the outer wall (29) to the inside of the torus; the outer torus wall (29) of the tyre is extended by applying an internal inflation pressure to said outer wall (29) above the nominal inflation pressure of said tyre; the layer of material (25, 26) is applied to the inner wall (28) of the tyre (20); and the tyre (20) is turned inside-out so as to bring the inner wall (28) and the outer wall (29) back into their initial positions.

IPC 8 full level

**B29C 73/16** (2006.01)

CPC (source: EP US)

**B29C 73/20** (2013.01 - EP US); **B29D 30/0685** (2013.01 - EP US); B29D 2030/0695 (2013.01 - EP US); B29L 2030/00 (2013.01 - EP US); Y10T 152/10666 (2015.01 - EP US); Y10T 152/10675 (2015.01 - EP US); Y10T 152/10684 (2015.01 - EP US); Y10T 152/10693 (2015.01 - EP US); Y10T 152/10702 (2015.01 - EP US); Y10T 152/10729 (2015.01 - EP US)

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MT NL NO PL PT RO SE SI SK TR

DOCDB simple family (publication)

**FR 2917992 A1 20090102**; **FR 2917992 B1 20120810**; AT E546278 T1 20120315; CN 101687370 A 20100331; CN 101687370 B 20120829; EP 2162276 A1 20100317; EP 2162276 B1 20120222; JP 2010531250 A 20100924; JP 5341886 B2 20131113; KR 20100045978 A 20100504; US 2010230865 A1 20100916; US 7959849 B2 20110614; WO 2009000744 A1 20081231

DOCDB simple family (application)

**FR 0704639 A 20070628**; AT 08774153 T 20080619; CN 200880022235 A 20080619; EP 08774153 A 20080619; EP 2008057798 W 20080619; JP 2010513859 A 20080619; KR 20107001903 A 20080619; US 66641008 A 20080619